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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/716,629	11/20/2000	Jan Suumaki	944-001.008-1	8246

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EXAMINER

MILLER, BRANDON J

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 04/10/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/716,629

Applicant(s)

SUUMAKI ET AL.

Examiner

Brandon J Miller

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Widegren in view of Agin.

Regarding claim 1 Widegren teaches negotiating parameters during connection handover of a mobile station between radio network subsystems (see abstract, col. 7, lines 34-40 and col. 12, lines 20-22). Widegren teaches signaling from a source radio network subsystem to a core network or from the target radio network subsystem to a source radio network subsystem that a handover is to proceed (see col. 7, lines 18-40). Widegren teaches transmitting parameters from a source radio network subsystem to a target radio network subsystem directly or via a core network without any need for renegotiating parameters over an air interface between a mobile station and a target radio network subsystem (see abstract, col. 5, lines 63-67 and col. 6, lines 10-20). Widegren does not teach parameters of an optimization algorithm during a connection handover. Agin teaches parameters of an optimization algorithm (see abstract and col. 6, lines 51-56). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the Widegren adapt to include parameters of an optimization algorithm during

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a connection handover because this would allow for flexibly providing a wide variety of mobile communications services and efficiently allocating resources to support those services.

Regarding claim 2 Widegren teaches during initial establishment of a connection between a mobile station and a source radio network subsystem, parameters including various optional sets of parameters, only one of which is accepted by a source radio network subsystem (see abstract, col. 10, lines 64-67, col. 11, lines 1-2 & 9-12). Widegren teaches storing optional sets of parameters wherein a step of transmitting a parameter includes transmitting all optional sets of parameters (see col. 9, lines 25-28, col. 10, lines 64-67 and col. 12, lines 12-23).

Regarding claim 3 Widegren teaches a core network connected to plural interconnected radio network subsystems for communicating with a mobile station over an air interface wherein a first one of a radio network subsystems includes a source radio network controller for signaling to a core network or to a target radio network controller in a second one of a radio network subsystems that a handover is required wherein in response thereto a core network or target radio network subsystem signals a source radio network controller to target radio network controller directly or via a core network without any need for renegotiating parameters over an air interface between a mobile station and a target radio network controller subsystem (see abstract, col. 5, lines 63-67 and col. 6, lines 10-20).

Regarding claim 4 Widegren teaches during an initial negotiation of parameters between a mobile station and a source radio network controller, parameters include various optional sets of parameters, only one of which is accepted by a source radio network controller, wherein various optional sets of parameters are stored by a source radio network controller for transmittal to a target radio network controller after source radio network controller signals a target radio

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network controller that handover is to proceed (see col. 7, lines 18-40, col. 9, lines 25-28, col. 10, lines 64-67, col. 11, lines 1-2 & 9-12 and col. 12, lines 12-23).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


Wiesen U.S. Patent No. 6,317,598 discloses a device and method for administering and assigning radio transmission channels in mobile radio networks.

Wallentin U.S. Patent No. 6,292,667 discloses multicell area paging for cellular telecommunications system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J Miller whose telephone number is 703-305-4222. The examiner can normally be reached on Mon.-Fri. 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.


WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

March 31, 2003